



Safety Data Sheet 1907/2006/EC - REACH (GB)

QuickSeal PP 350 Komp. A

Date printed 16.10.2019, Revision 16.10.2019

Version 03. Supersedes version: 02

Page 1 / 15

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

QuickSeal PP 350 Komp. A

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant uses

Hardener
Coating agent

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company VIP Coatings Europe GmbH
Rudolf-Diesel-Str. 11
86551 Aichach / GERMANY
Phone +49 (0) 8251 9047 5 0
Fax +49 (0) 8251 9047 5 99
Homepage www.vip-coatings.de
E-mail info@vip-coatings.de

Address enquiries to

Technical information info@vip-coatings.de

Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Carc. 2: H351 Suspected of causing cancer.
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure through inhalation.
Resp. Sens. 1: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Acute Tox. 4: H332 Harmful if inhaled.
Eye Irrit. 2: H319 Causes serious eye irritation.
Skin Sens. 1: H317 May cause an allergic skin reaction.
Skin Irrit. 2: H315 Causes skin irritation.
STOT SE 3: H335 May cause respiratory irritation.

QuickSeal PP 350 Komp. A

2.2 Label elements

Hazard pictograms



The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

Signal word

DANGER

Contains:

α -hydro- ω -hydroxypoly [oxy (methyl-1,2-ethandiyl)], Polymer with 1,1'-Methylenebis [isocyanatobenzene]

4,4'-Methylenediphenyl diisocyanate

4,4'-Methylenediphenyl diisocyanate, oligomers

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate

Hazard statements

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure through inhalation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H332 Harmful if inhaled.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H315 Causes skin irritation.

H335 May cause respiratory irritation.

Precautionary statements

P260 Do not breathe mist / vapours / spray.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P284 In case of inadequate ventilation wear respiratory protection.

P302+P352 IF ON SKIN: Wash with plenty of water / soap.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER / doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Special labelling

EUH204 Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

Environmental hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other hazards

Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

3.2 The product is a mixture.

Range [%]	Substance
50 - < 70	<p>α-hydro-ω-hydroxypoly [oxy (methyl-1,2-ethandiyl)], Polymer with 1,1'-Methylenebis [isocyanatobenzene]</p> <p>EINECS/ELINCS: Polymer</p> <p>GHS/CLP: Acute Tox. 4: H332 - Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - Resp. Sens. 1: H334 - Skin Sens. 1: H317 - Carc. 2: H351 - STOT SE 3: H335 - STOT RE 2: H373</p>
20 - < 30	<p>4,4'-Methylenediphenyl diisocyanate</p> <p>CAS: 101-68-8, EINECS/ELINCS: 202-966-0, EU-INDEX: 615-005-00-9, Reg-No.: 01-2119457014-47-XXXX</p> <p>GHS/CLP: Carc. 2: H351 - Acute Tox. 4: H332 - STOT RE 2: H373 - Eye Irrit. 2: H319 - STOT SE 3: H335 - Skin Irrit. 2: H315 - Resp. Sens. 1: H334 - Skin Sens. 1: H317</p>
1 - < 10	<p>4,4'-Methylenediphenyl diisocyanate, oligomers</p> <p>CAS: 25686-28-6, EINECS/ELINCS: 500-040-3, Reg-No.: 01-2119457013-49-XXXX</p> <p>GHS/CLP: Acute Tox. 4: H332 - Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - Resp. Sens. 1: H334 - Skin Sens. 1: H317 - Carc. 2: H351 - STOT SE 3: H335 - STOT RE 2: H373</p>
1 - < 5	<p>Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate</p> <p>EINECS/ELINCS: 905-806-4, Reg-No.: 01-2119457015-45-XXXX</p> <p>GHS/CLP: Carc. 2: H351 - Acute Tox. 4: H332 - STOT RE 2: H373 - Eye Irrit. 2: H319 - STOT SE 3: H335 - Skin Irrit. 2: H315 - Resp. Sens. 1: H334 - Skin Sens. 1: H317</p>

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Take off contaminated clothing and wash before reuse.
Adhere to personal protective measures when giving first aid.
Symptoms of poisoning may not occur for many hours, therefore keep under medical supervision for at least 48 hours.

Inhalation

Consult a doctor immediately.
Remove the victim into fresh air and keep him calm.
In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice.
If unconscious, place in recovery position and seek medical advice.

Skin contact

In the event of contact with the skin wash immediately with polyethylene glycol, then with plenty of water.
Consult a doctor if skin irritation persists.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion

Do not induce vomiting.
Rinse mouth.
Turn a vomiting person lying on his back onto his side.
In the event of symptoms seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects
Allergic reactions
Redness
Cough
Chest tightness and breathing difficulties.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Symptoms of poisoning may not occur for many hours, therefore keep under medical supervision for at least 48 hours.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media foam, dry powder, water spray jet, carbon dioxide

Extinguishing media that must not be used Water.
Water may be used if no other available and then in copious quantities. Reaction between water and hot isocyanate may be vigorous.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x).
Isocyanate
Hydrogen cyanide (HCN).
Aniline (> 500 °C)
Attention! Reaction with water produces CO₂-gas.

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

Cool containers at risk with water spray jet.
Collect contaminated firefighting water separately, must not be discharged into the drains.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Wear suitable protective equipment. For personal protection see SECTION 8.
Use breathing apparatus if exposed to vapours/aerosol.
Remove persons to safety.
Keep people away and stay on the upwind side.
High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).
Clean contaminated areas afterwards thoroughly.
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13



Safety Data Sheet 1907/2006/EC - REACH (GB)

QuickSeal PP 350 Komp. A

Date printed 16.10.2019, Revision 16.10.2019

Version 03. Supersedes version: 02

Page 5 / 15

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Provide suitable vacuuming at the processing area.
Avoid spilling or spraying in enclosed areas.
Avoid contact with eyes and skin. Use personal protective equipment.
Open and handle container with care.
Place the container in an upright position and protect it against falling over.
The product is combustible.
Do not eat, drink, smoke or take drugs at work.
Take off contaminated clothing and wash before reuse.
It is recommended to preview eye-wash bottle and showers.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Prevent penetration into the ground.
Keep only in original container.
Do not store with amines
Keep away from water.
Do not store together with metals.
Do not store together with acids and alkalis.
Keep container tightly closed.
Keep container in a well-ventilated place.
Keep in a cool place. Store in a dry place.
Protect from heat/overheating.
Protect from atmospheric moisture and water.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Substance
4,4'-Methylenediphenyl diisocyanate
CAS: 101-68-8, EINECS/ELINCS: 202-966-0, EU-INDEX: 615-005-00-9, Reg-No.: 01-2119457014-47-XXXX
Long-term exposure: 0,02 mg/m ³ , as NCO, Sen
Short-term exposure (15-minute): 0,07 mg/m ³
Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate
EINECS/ELINCS: 905-806-4, Reg-No.: 01-2119457015-45-XXXX
Long-term exposure: 0,02 mg/m ³ , as NCO, Sen
Short-term exposure (15-minute): 0,07 mg/m ³
4,4'-Methylenediphenyl diisocyanate, oligomers
CAS: 25686-28-6, EINECS/ELINCS: 500-040-3, Reg-No.: 01-2119457013-49-XXXX
Long-term exposure: 0,02 mg/m ³ , as NCO, Sen
Short-term exposure (15-minute): 0,07 mg/m ³

DNEL

Substance
4,4'-Methylenediphenyl diisocyanate, oligomers, CAS: 25686-28-6
Industrial, dermal, Acute - systemic effects: 50 mg/kg bw/day.
Industrial, inhalative, Long-term - local effects: 0,05 mg/m ³ .
Industrial, inhalative, Long-term - systemic effects: 0,05 mg/m ³ .
general population, dermal, Acute - systemic effects: 25 mg/kg bw/day.
general population, inhalative, Long-term - local effects: 0,025 mg/m ³ .
general population, inhalative, Long-term - systemic effects: 0,025 mg/m ³ .
general population, oral, Acute - systemic effects: 20 mg/kg bw/day.
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
Industrial, inhalative, Acute - local effects: 0,1 mg/m ³ .
Industrial, dermal, Acute - systemic effects: 50 mg/kg.
Industrial, inhalative, Long-term - local effects: 0,05 mg/m ³ .
Industrial, inhalative, Acute - systemic effects: 0,1 mg/m ³ .
Industrial, dermal, Acute - local effects: 28,7 mg/cm ² .
Industrial, inhalative, Long-term - systemic effects: 0,05 mg/m ³ .
Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate
Industrial, inhalative, Acute - systemic effects: 0,1 mg/m ³ .
Industrial, inhalative, Long-term - local effects: 0,05 mg/m ³ .
Industrial, dermal, Acute - systemic effects: 50 mg/kg bw/d.
Industrial, inhalative, Long-term - systemic effects: 0,05 mg/m ³ .
Industrial, inhalative, Acute - local effects: 0,1 mg/m ³ .
Industrial, dermal, Acute - local effects: 28,7 mg/cm ² .
general population, dermal, Acute - local effects: 17,2 mg/cm ² .
general population, inhalative, Acute - systemic effects: 0,05 mg/m ³ .

QuickSeal PP 350 Komp. A

general population, inhalative, Acute - local effects: 0,05 mg/m ³ .
general population, inhalative, Long-term - systemic effects: 0,025 mg/m ³ .
general population, inhalative, Long-term - local effects: 0,025 mg/m ³ .
general population, oral, Acute - systemic effects: 20 mg/kg bw/d.
general population, dermal, Acute - systemic effects: 25 mg/kg bW/d.

PNEC

Substance
4,4'-Methylenediphenyl diisocyanate, oligomers, CAS: 25686-28-6
soil, 1 mg/kg.
sewage treatment plants (STP), 1 mg/l.
seawater, 0,1 mg/l.
freshwater, 1 mg/l.
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
sewage treatment plants (STP), > 1 mg/l.
soil, > 1 mg/kg.
seawater, > 0,1 mg/l.
freshwater, > 1 mg/l.
Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate
sewage treatment plants (STP), 1 mg/l.
soil, 1 mg/kg.
seawater, 0,1 mg/l.
freshwater, 1 mg/l.

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Using suitable discharges or exhaust ventilation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Tightly fitting goggles. (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. > 0,4 mm, Butyl rubber, >480 min (EN 374-1/-2/-3). > 0,4 mm, Nitrile rubber, >480 min (EN 374-1/-2/-3). > 0,4 mm, Viton, >480 min (EN 374-1/-2/-3). > 0,4 mm, Polychloroprene, >480 min (EN 374-1/-2/-3). PVC > 0,4 mm, >480 min (EN 374-1/-2/-3).
Skin protection	Impermeable protective and long-sleeved work clothing.
Other	Avoid contact with eyes and skin. Do not breathe vapour/spray. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
Respiratory protection	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter AB. (DIN EN 14387)
Thermal hazards	No information available.
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Viscous liquid
Color	yellowish
Odor	characteristic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	No information available.
Flash point [°C]	> 100
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/ml]	1,09-1,13 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	No information available.
Viscosity	600-1000 mPas (25 °C)
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	No information available.
Decomposition temperature [°C]	No information available.

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.
In closed containers rise of pressure.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).
Polymerization may occur at elevated temperature.



Safety Data Sheet 1907/2006/EC - REACH (GB)

QuickSeal PP 350 Komp. A

Date printed 16.10.2019, Revision 16.10.2019

Version 03. Supersedes version: 02

Page 9 / 15

10.3 Possibility of hazardous reactions

Reactions with water, with formation of carbon dioxide.
Reactions with metals.
Exothermic reaction at:
Reactions with alcohols.
Reactions with amines.
Reactions with acids.
Reactions with alkalies (lyes).

10.4 Conditions to avoid

Strong heating.
Sunlight
Sensitive to moisture.
Sensitive to air.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.
In the event of fire: See SECTION 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
ATE-mix, inhalativ (mist), 1,505 mg/l.
Substance
4,4'-Methylenediphenyl diisocyanate, oligomers, CAS: 25686-28-6
NOEC: 0,2 mg/m ³ (OECD 453).
NOEC: < 4 mg/m ³ /90d (OECD 413).
LD50, dermal, Rabbit: > 9400 mg/kg.
LD50, oral, Rat (female): > 5000 mg/kg.
LC50, inhalative, Rat: 0,49 mg/l/4h.
NOAEL, Rat: 12 mg/m ³ (OECD 414).
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
inhalative, Conversion value: 1,5 mg/l/4h (Dust/mist).
LD50, dermal, Rabbit: > 9400 mg/kg (OECD 402).
LD50, oral, Rat: > 2000 mg/kg.
LC50, inhalative, Rat: > 2,24 mg/l/1h (OECD 403).
LC50, inhalativ (mist), Rat: 0,49 mg/l/4h.
LC50, inhalative, Rat: 0,368 mg/l/4h (OECD 403).
Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate
LD50, dermal, Rabbit: > 9400 mg/kg.
LD50, oral, Rat: > 10000 mg/kg.
LC50, inhalativ (mist), Rat: 0,49 mg/l/4h.
NOAEL, Rat: 12 mg/m ³ (OECD 414).
α-hydro-ω-hydroxypoly [oxy (methyl-1,2-ethandiyl)], Polymer with 1,1'-Methylenebis [isocyanatobenzene]
LD50, dermal, Rabbit: > 9400 mg/kg (OECD 402).
LD50, oral, Rat: > 10000 mg/kg (OECD 401).

Serious eye damage/irritation	Irritant Calculation method
Skin corrosion/irritation	Irritant Calculation method
Respiratory or skin sensitisation	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Calculation method
Specific target organ toxicity — single exposure	May cause respiratory irritation. Calculation method
Specific target organ toxicity — repeated exposure	Ingredients: May cause damage to organs through prolonged or repeated exposure through inhalation. Product: May cause damage to organs through prolonged or repeated exposure. Calculation method
Mutagenicity	Based on the available information, the classification criteria are not fulfilled.
Reproduction toxicity	Based on the available information, the classification criteria are not fulfilled.
Carcinogenicity	Suspected of causing cancer. Calculation method

QuickSeal PP 350 Komp. A

Aspiration hazard

Based on the available information, the classification criteria are not fulfilled.

General remarks

The following applies to cyanogen compounds/ nitriles in general: utmost caution! Release of hydrocyanic acid is possible - blockade of cellular respiration. Cardiovascular disorders, dyspnoea, unconsciousness.

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 12: Ecological information

12.1 Toxicity

Substance
4,4'-Methylenediphenyl diisocyanate, oligomers, CAS: 25686-28-6
LC50, (96h), fish: > 1000 mg/l (OECD 203).
EC50, (24h), Daphnia magna: > 1000 mg/l (OECD 202).
EC50, Bacteria: > 100 mg/l/3h (OECD 209).
EC50, (72h), Algae: > 1640 mg/l (OECD 201).
NOEC, (21d), Daphnia magna: > 10 mg/l (OECD 211).
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
LC50, (96h), Danio rerio: > 1000 mg/l (OECD 203).
ErC50, (72h), Scenedesmus subspicatus: > 1640 mg/l (OECD 201).
Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate
LC50, (96h), fish: > 1000 mg/l (OECD 203).
EC50, (24h), Daphnia magna: > 1000 mg/l (OECD 202).
EC50, (3h), Bacteria: > 100 mg/l (OECD 209).
NOEC, (21d), Daphnia magna: > 10 mg/l (OECD 211).
α-hydro-ω-hydroxypoly [oxy (methyl-1,2-ethandiy)], Polymer with 1,1'-Methylenebis [isocyanatobenzene]
LC50, (96h), Brachidanio rerio: > 1000 mg/l (OECD 203).
EC50, (3h), Activated sludge: > 100 mg/l (OECD 209).
EC50, (24h), Daphnia magna: > 1000 mg/l (OECD 202).
NOEC, (21d), Daphnia magna: >= 10 mg/l (OECD 211).

12.2 Persistence and degradability

Behaviour in environment compartments

No information available.

Behaviour in sewage plant

No information available.

Biological degradability

The product is not biodegradable.

12.3 Bioaccumulative potential

logPow: 4,51 (CAS 101-68-8)

BCF: 200 (CAS 101-68-8)

logPow: 8,56 (CAS 25686-28-6)

BCF: 200 (CAS 25686-28-6)

12.4 Mobility in soil

The product is insoluble in water.

12.5 Results of PBT and vPvB assessment

not applicable

QuickSeal PP 350 Komp. A**12.6 Other adverse effects**

The product is insoluble in water.

Isocyanate reacts with water at the interface forming CO₂ and a solid insoluble product with high melting point (polyurea). This reaction is accelerated by surfactants (e.g. detergents) or by watersoluble solvents. Previous experience shows that polyurea is inert and non-degradable.

Ecological data of complete product are not available.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Waste material c It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
Coordinate disposal with the authorities if necessary.

Waste no. (recommended)

080501*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110*

SECTION 14: Transport information**14.1 UN number**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2019)
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011).
- Observe employment restrictions for people	Observe employment restrictions for young people. Observe employment restrictions for mothers-to-be and nursing mothers.
- VOC (2010/75/CE)	not applicable

15.2 Chemical safety assessment

The substance evaluations for all substances in this product are either complete or not applicable.

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H373 May cause damage to organs through prolonged or repeated exposure.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H332 Harmful if inhaled.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV@TWA = Threshold limit value – time-weighted average
TLV@STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

QuickSeal PP 350 Komp. A

16.3 Other information

Classification procedure

Carc. 2: H351 Suspected of causing cancer. (Calculation method)
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure through inhalation. (Calculation method)
Resp. Sens. 1: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. (Calculation method)
Acute Tox. 4: H332 Harmful if inhaled. (Calculation method)
Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)
Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)
STOT SE 3: H335 May cause respiratory irritation. (Calculation method)

Modified position

SECTION 2 been added: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 4 been added: Chest tightness and breathing difficulties.

SECTION 4 been added: Turn a vomiting person lying on his back onto his side.

SECTION 4 been added: If unconscious, place in recovery position and seek medical advice.

SECTION 4 been added: Symptoms of poisoning may not occur for many hours, therefore keep under medical supervision for at least 48 hours.

SECTION 5 been added: Attention! Reaction with water produces CO₂-gas.

SECTION 6 been added: Keep people away and stay on the upwind side.

SECTION 8 been added: PVC [x] (EN 374-1/-2/-3).

SECTION 8 been added: In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.

SECTION 10 been added: Sensitive to air.

SECTION 10 been added: Sunlight

SECTION 12 been added: Isocyanate reacts with water at the interface forming CO₂ and a solid insoluble product with high melting point (polyurea). This reaction is accelerated by surfactants (e.g. detergents) or by watersoluble solvents. Previous experience shows that polyurea is inert and non-degradable.



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